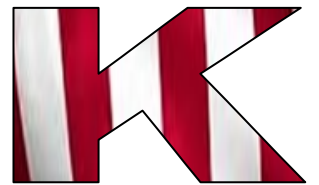
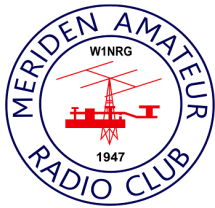




**KW**

**JULY 2020**





# 1947 - 2020

## MERIDEN AMATEUR RADIO CLUB

PRES W1YSM ED SNYDER  
 VP KB1JL ERIC OLSSON  
 SECT K1STM ANNE WEST  
 TRES K1WJL DAVE SWEDOCK  
 S.A.M. K1RCT ROB CICHON

WEBSITE [WWW.W1NRG.COM](http://WWW.W1NRG.COM)  
 OFFICIAL MAILING ADDRESS,  
 MERIDEN AMATEUR RADIO CLUB,  
 POB 583, MERIDEN CT 06450

KEY KLIX EDITOR  
 DAVE SWEDOCK K1WJL  
 DSWEDOCK@GMAIL.COM  
 203 235-8582

ALL MEETINGS ARE **NORMALLY** AT THE  
 EOC HOPE HILL FIREHOUSE  
 143 HOPE HILL ROAD, WALLINGFORD  
**HOWEVER THEY ARE SUSPENDED  
 UNTIL FURTHER NOTICE**

### July Business meeting on ZOOM Thursday July 9th 7:30pm....

The ZOOM format appears to be working much better than the Jitsi and it appears from this point on we are "Zoomers" instead of Jitsi-folk. It requires loading software that is free, from Zoom but it is a monthly cost of about \$15 to reserve a Host Room. This will only be necessary until the covid-19 is over, but watching the news in other parts of the country does not give us much hope. Use the masks and stay safe...

### July Activity meeting on ZOOM Thursday July 23rd 7:30pm.... TO BE DETERMINED

### Tech Net Wednesday

Wednesday July 8, 7:30pm 147.36 W1KKF repeater...KC1SA Steve on PSK-31  
 This Wednesday's tech net topic is PSK31. Nothing too in depth, but anyone wanting to ask questions or provide expertise is certainly welcome. I'll be giving my take on the mode using HRD, FLDigi/FLrig, and N1MM+ with Kenwood and Icom radios. Hoping folks with Yaesu rigs with expertise join in. See you at 7:30PM on the 36 repeater and on Zoom (room to be published by K1RCT).

### FIELD DAY / STAY AT HOME QTH DAY 2020

1D was the exchange for the MARC 2020 FD as we operated from our home QTH's and the ARRL allowed us to provide affiliation towards a MARC aggregate score. At this point, there were approximately 17 entries for the MARC with the deadline about July 28 we believe.  
 A full report in the next Key Klix.

Cancelled / postponed / called off / On-Hold / Maybe-Maybe Not / In Transition  
 In a State of Flux / neither Here nor There / Cross your fingers / Up in the Air  
**Lark in the Park July 2020 CU in 2021**  
**Deerfest / Dearfest / Deerfield / 2020 has also been cancelled**



# The President's Net Control Corner

Ed W1YSM, President MARC



## MARC: GROWING, GROWING , GROWING

While the Meriden Amateur Radio Club does not sell wooden cabinetry on TV, or offer kitchen remodeling services, we are growing, growing, growing, none-the-less. In this time of supposed contraction of amateur radio as a hobby, why is MARC expanding? In this time of self-imposed isolation and sequestration, why is MARC seeing more activity? I believe it is due to our Club providing not only what our members need in these uncertain times, but what other amateur radio operators and those wishing to become one, also need. The answers lie in three areas – Technology, Club Events and most importantly, Club Members . The Technology aspect is clear. Amateur radio operators like to operate technology. When OnAir, they become talk show hosts, station engineers and station program managers – all rolled into one. The lure of talking to other hams in far-away places is enhanced by group participation in contests and OTA activities. While these QSOs are currently being conducted mostly at home, there is still a sense of camaraderie and belonging to a club with other members and friends who are also participating. It relates to a sense of belonging. The Events that MARC has available for members include, the weekly foxhunts (courtesy of Dave NZ1J), myriad numbers of Nets (2M, 6M, 10M, Coffee Cup, Tech), Business Meetings and Activities Meetings. There are also plans being made to transmit from a plethora of On the Air “acronymic” locations – POTA, PLOTA, McDOTA, FHOTA, IOTA, SOTA, DDOTA, etc. ‘Have go-kit will transmit’, seems to be the mantra. There also is talk of organizing Satellite contacting sessions. The foxhunts might even expand and branch out to become multi-club events, depending on the length of COVID quarantine mandates. On June 13, MARC licensed or upgraded 6 Hams (none from our Club) during our VE session. We were told other clubs were not making VE sessions available – and they were grateful that MARC had stepped up to fill the void. One applicant had traveled from Coventry, CT and another from Massachusetts. Attendance on our Nets, at VE Sessions, for contest sign-ups, and ideas from those with an interest in OTA activities is growing. This leads us to Club Members the last pillar – the glue that binds all of this together. Club members enjoy the camaraderie engendered by working together with fellow members. We are blessed that Elmers abound in MARC. Our members comprise a large and diverse library of expertise that is frequently shared among members and non-members alike. Personally, I could not have become a ham or done just about anything in amateur radio, without them. When all is said and done, people generally like being part of a group and enjoy being with like-minded people. MARC currently has a high participation rate for Nets, Meetings and Contest sign-ups, in part because our members feel that they are wanted by the Club, that W1NRG values and respects their opinions; that we like being with them and seeing them – even if it is virtual, masked and socially distanced. Club membership is growing, despite the very regrettable loss of those Club members who are now SKs. Not only are our members participating in larger numbers, but others are seeking to become members or reconnect after years of inactivity. MARC seeks to be welcoming to all hams including non-members who aspire to join our ranks and hopefully, our Club. As a Club, we try to foster good discussions where all can be heard, and member opinions are encouraged and listened to. That doesn’t mean that opposing opinions are necessarily chosen as the agreed upon approach, but that the expertise of the proposer, is recognized, and their thoughts are listen to and their opinions are respected. I am honored to be your Club President – The Officers and I try hard to earn your respect and support literally every day. Despite societal events like COVID-19, that might tend to lower Club activity and interest, MARC’s image is growing. We are being seen as one of the most active clubs in the State and many others see us as The Club to join. We all need to sustain this wave of enthusiasm. I am confident that our members will continue to provide a welcoming environment to all. I hope that when COVID-19 is relegated to the history books and we are back face to face, unmasked and shoulder-to-shoulder, (and Al, N1API is back making coffee) we will look back on 2020 and say, “Wow, I am glad MARC was there when we needed her, vibrant and welcoming. Tough as that period was , it would have been a lot tougher without her.”

73,

Ed W1YSM , President, MARC

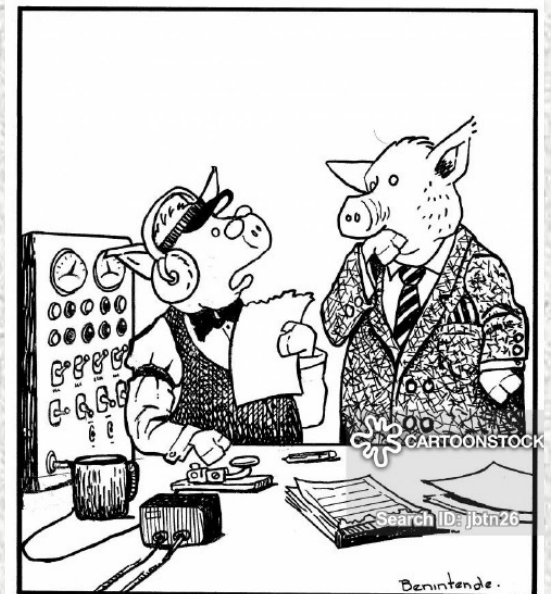
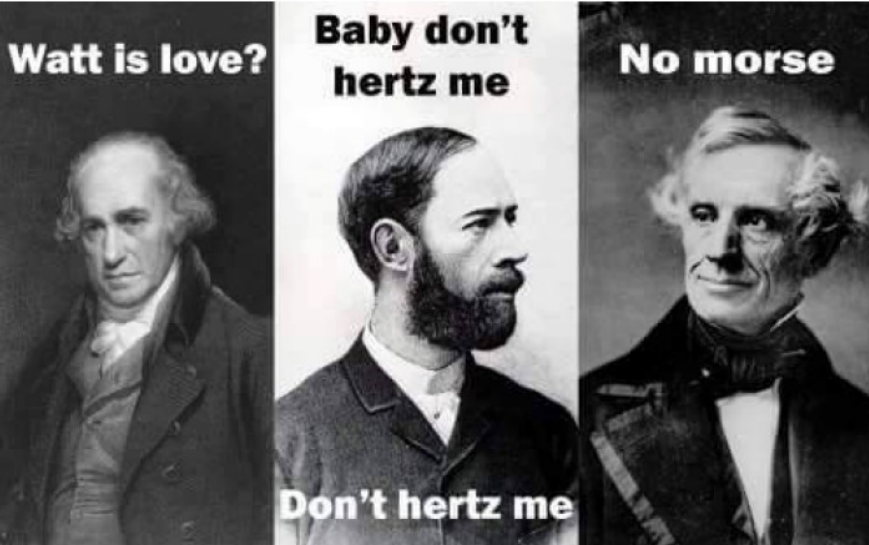
# SECRET RADIO AERIALS



Want to feel old?

Bonanza premiered 60 yrs ago.  
 The Beatles split 50 yrs ago.  
 Laugh-In premiered nearly 52 yrs. ago.  
 The Wizard of Oz is 80 yrs old.  
 Elvis is dead 42 yrs. He'd be 84 today.  
 The Thriller video is 36 yrs old.  
 Jimi Hendrix and Janis Joplin dead 49 yrs.  
 John Lennon dead 39 yrs.  
 Mickey Mantle retired 51 yrs ago.  
 Back to the Future is 35 yrs old.  
 Saturday Night Fever is 42 yrs old.  
 The Ed Sullivan show ended 47 yrs ago.  
 The Brady Bunch premiered 50 yrs ago.  
 The triplets on My Three Sons are 50.  
 Tabitha from Bewitched is 55.  
 The Corvette turned 66 this year.  
 The Mustang is 55.  
 Alexander's closed 27years ago.  
 If you were born in the 50's, you've had 12 presidents.

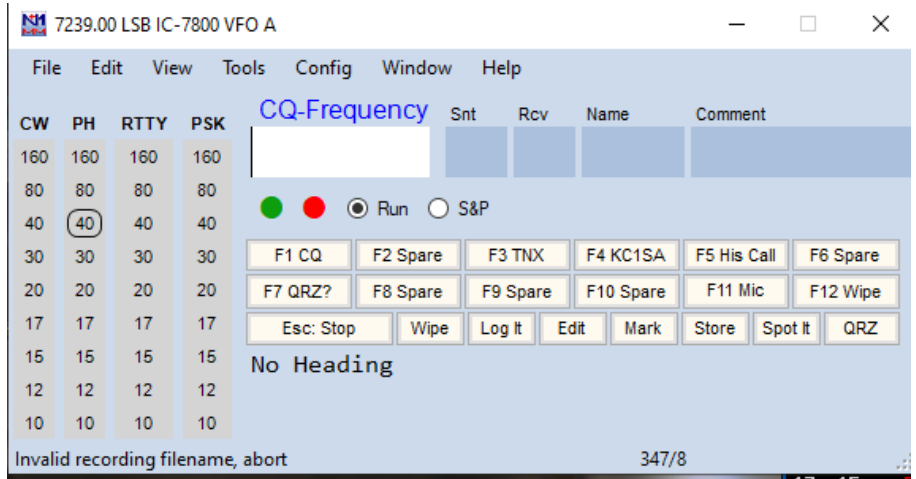
**JAMES AB1DQ ASK'S  
 WHY AM I ON THIS PAGE??**



"E...L...E...L...O."

K1WJL Midnight Confession , I stole some of these from the Hampton County Radio Association Newsletter,

## FROM STEVE KC1SA TIPS ON WAV FILES



F1 CQ, {CATACTHEX FE FE 6A E0 14 0B 00 00 FD} {OPERATOR}\CQ\_13\_colonies.wav {END} {F11}

F3 TNX, {CATACTHEX FE FE 6A E0 14 0B 00 00 FD} {OPERATOR}\Thanks.wav {END} {F11}

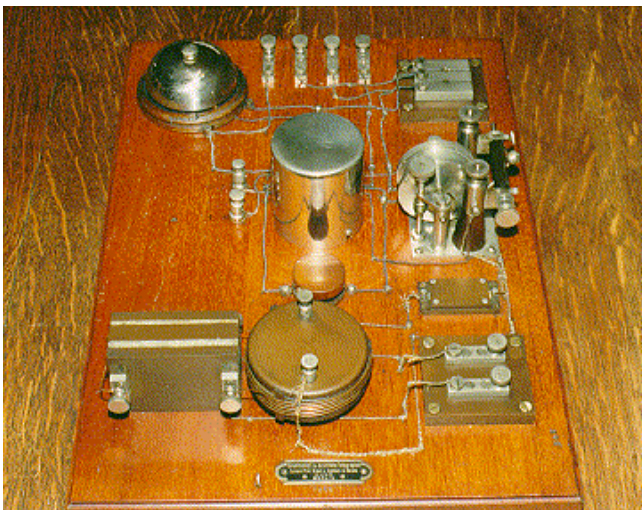
F4 {MYCALL}, {CATACTHEX FE FE 6A E0 14 0B 00 00 FD} {OPERATOR}\MyCall.wav {END} {F11}

F7 QRZ?, {CATACTHEX FE FE 6A E0 14 0B 00 00 FD} {OPERATOR}\QRZ.wav {END} {F11}

F11 Mic Gain, {CATACTHEX FE FE 6A E0 14 0B 01 73 FD}

13 Colonies running SSB can wear your voice out, so having wav files set up can really save your vocal chords. The Icom rig plays wav files through the virtual communication port via the physical USB 2.0 interface on the radio. The radio (IC-7610) doesn't turn off the front panel microphone when sending wav files through the USB port so one must reduce the gain on the MIC input. After setting the gain to zero and sending the wav file, the F11 command is executed and the gain on the MIC input is restored. Those funny CATACTHEX commands do just that. Learn how by googling N1MM+ and CATACTHEX, works really well. Don't know how to get wav files set up in N1MM+? Perhaps an activity meeting on how to do this is in order.

73,  
Steve – KC1SA

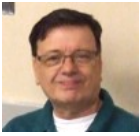


**WHAT IS THIS?**

**ANSWER IS ON FOLLOWING PAGES UNLESS I FORGET TO PUT IT IN LIKE LAST MONTH.....**

**ANSWER TO LAST MONTHS WHO IS THIS?**

**IT WAS BOB WB1GYZ DOING THE ANTENNA FERTILITY DANCE AFTER INSTALLING A DIPOLE AT KRISTIN'S KC1ISI QTH...**



## Castle Craig Chapter, 10/10 News AI N1API, Chapter Head

There will be a Castle Craig Chapter Net on Friday July 31st 2020 on the club net frequency of 28.375. The purpose of this net is to kick off the 10-10 Summer QSO Party. I hope that all club members will join in. Even if you do not have a 10-10 number you are worth 1 point to the rest of us who do and are submitting logs. The QSO party runs from 0000 UTC August 1st 2020 to 2359:59 August 2nd 2020. If you are a paid up 10-10 member your support of the chapter, and our club would be appreciated. Please make as many contacts as you can, and submit your log for credit. Remember to mention that you would like to credit Castle Craig Chapter of 10-10 with your score. Log submission must be made by 8/10/2020 and now go directly to the contest chairman KZ3T at dbmoris315@gmail.com , or use the dedicated contest submission email of tentencontest@ten-ten.org. You can also mail your log to the contest coordinator Dan Morris KZ3T, 3162 Covington Way, Lenoir, NC 28645. We will start taking checkins at 7:45 PM local time July 31, (23:45 UTC), and I will be the Net Control. I would like a station to help with relays if needed. The procedure is simple. At 8 PM local time, (0000 UTC August 1st), we will start from the top of the list, (myself), and I will give my 10-10 information, that is Call, Name, QTH (state), and 10-10 number. The next station will be called and that person will give their information and then stand by. We will proceed to the bottom of the list. The procedure is then repeated from the top to bottom of the list, except you will call all stations that you heard and QSL their information. If you need a repeat on any information this is the time to ask for it. Once the last station is called they should have no calls to make because everyone has called them. I expect that this net should last no more than about 20 minutes. Also, as you talk to local, (Connecticut), stations on 10 meters and also on the different bands please mention this QSO party and ask them to check 10 meters at times during the weekend to participate. Please remind them that if they are in the local ground wave area and members of 10-10, that The Castle Craig Chapter of 10-10 is their local chapter and we would appreciate their support for the QSO Parties. We've seen a few non MARC club members submitting their score for the chapter. We'd like to see more. Castle Craig usually finishes pretty well in the chapter standings. We'd like to do better. If you have your collected 10-10 numbers sitting now is the time to send them in or go to the 10-10 web page at <http://www.ten-ten.org/memship.html> and either use the online shopping cart to join or fill out a paper application and mail it in. There is a special three year incentive plan for \$40.00 or you can join for the basic \$15.00 a year. 10-10 has a membership plan with electronic delivery of the 10-10 News and there are special rates for new and rejoining members of \$10.00 for one year and a three year incentive for \$25.00. It takes about three weeks to get your number back via mail but if you apply online your new number will come via email in just a few days. Remember you need to be a paid up member for your log to count for awards and also toward the club score. A good incentive for joining is that ALL 10-10 awards are FREE, and most if all do not require QSL cards and can be applied for via email. You will receive award certificates by return mail, (or), for many, you can ask for a PDF certificate to put in your computer or post on your web pages. For those members who are an OM/YL team there is a family membership rate. It is a good way for both to join and get in on the fun. Even if you've decided that you are not interested in becoming a 10-10 member, you can still get on and give contacts out to those who are working the QSO Party. Your point will be welcomed. The 10-10 Officers and volunteers realize that 10 meters is coming out of it's minimum sunspot cycle but they still encourage everyone to work the QSO parties, check 10 meters out and make as many contacts as they can. 10-10 was formed to keep 10 meter band active so that it is not lost to other services and that idea is still paramount in the organization's concepts.

Also, you can submit a log as a checklog if you are not a paid up 10-10 member, (though I stress this would be good time to take advantage of the 3 year incentive offer). And if you still decide that 10-10 is not your cup of tea but do get on and pass your information to others, you can also submit a log as a check log. The purpose of 10-10 is to keep the band active and your log is a good way to demonstrate band activity.

Please plan to attend and get the Summer 10-10 QSO party off to a rousing start!

-73- AI N1API

Castle Craig Chapter Chapter Head and Certificate Manager



My first Field Day operating from my house with my trusty side kick who offered zero help with the logging. Many thanks to KB1JL, WB1GYZ and K1LYP who worked hard last weekend in the heat getting my antenna up so I can finally Operate in my shack. I made 13 field day contacts, not a lot, but not bad for my first time operating solo from home and not at the club station. –Kristin KC1IS!



## Secretary Report & Minutes of the Meriden Amateur Radio Club

**Anne West K1STM , Secretary**

**Monthly Business Meeting June 11,2020**

Meeting called to order 1930 hours by President W1YSM

Attendees (32) on Jitsi video: KC1SA, K1VDF, K1STM, W1DQ, K1RCT, N1API, KC1DOY, N1BRL, W1KKF, KC1GMD, WA1TRY, KE1AU, N1YLN, K1LHO, N1KGY, W1AJK, KB1EHE, KC1KQH, KC1HDB, K1WJL, W1YSM, N1ZN, KB1JL, K1LYP, AB1DQ, N1GNV, NZ1J, W1EDX, WV2LKM, WA1ZVY, KE1AY, WA1SFH

### **Announcements (W1YSM)**

Serafino's restaurant for Christmas party is still on. There may be a need to reduce attendance, suggesting members only. This can be voted on if necessary as we near December.

Activity meeting in 2 weeks is on contesting, 13 colonies event.

Nutmeg Hamfest in October has been cancelled for this year by the Nuffest board.

There is a Volunteer examiner testing session this Saturday June 13.

**Secretary Report (K1STM).** May meeting minutes were approved by vote. Another vote was taken that reaffirmed payment to K1RCT for up to \$1000 for hardware/software to remote control the club station. No new membership applications arrived.

**Treasurers report (K1WJL).** Dave opened with a tribute to long time club member Dave Karpeij K1THP who recently became an SK. Dave read a report on funds available in the various accounts, and expenditures for the last month.

**Station Manager Report (K1RCT)-** Access to the EOC club station remains limited due to town coronavirus restrictions. K1LYP/N1AKN have been inventorying high band radios delivered to CERT by the town Fire Department. Rob went over the new relaxed field day rules, The club will operate class D from our homes and submit an aggregate score. All nets were operating with good numbers.

**Volunteer examiner (KE1AY)** 6 people have applied to be tested at the OEM this Saturday at 9 AM. testing will be 2 sessions with 4 VEs and appropriate decontamination and separation procedures.

**Entertainment/Activities (W1YSM).** Saturday morning coffee net continues on the repeater with high level of check ins. The club would like to keep the net even after the EOC opens.

**Saturday Morning activities (W1YSM)** The coffee cup net continues with many check ins. NZ1J continues with hidden transmitter (fox) hunts, There have been 11 hunts so far and turnout has up to 15 or more club members and additional guests participating. Skills are improving and innovative antennas are tested. These non club sanctioned Hunts usually end with short socially distanced gatherings to discuss the topic of fox hunting and to compare experiences.

**Castle Craig (N1API)** June 24-July 10 10-10 activity. Other 10 meter activity remains low.

**Website Update (KC1GMD).** No activity to report. NZ1J continues to maintain current site. Jeff (KC1HDB) offered to assist in development as he does web design for a living.

**Contesting (N1YLN)** NZ1J has committed to operating SOTA. POTA IOTA etc during the coming months. Other members are welcome. K1RCT discussed Field Day. Per N1YLN W1W special events station has been postponed concurrent with the 350 Jubilee cancelation and will be applied for again in 2021.

**Interference and technical (K1VDF)-** One amateur licensee, not a club member, continues to disrupt club nets on the repeater. A discussion ensued as to how to approach this problem. K1VDF and repeater trustee W1KKF will approach ARRL for advice on how to best handle this problem child.

**Club Picnic-** Lark in the Park was canceled by membership vote after discussion of various options.

**WARG/OEM (KB1JL)** no news to report other than the discussed portable radios. Facility remains on limited access.

**KeyKlix (K1WJL)** Dave asks that pictures of activities keep coming,

**Scholarship (N1ZN)** There are 3 applicants for the 2020 scholarship, all STEM oriented, N1ZN will call the committee to meet and make a recommendation to the club at next business meeting.

**Old Business (W1YSM)** not discussed

**New Business (W1YSM)** Ed discussed outreach to other clubs, a club satellite activity. K1LYP requested to purchase spare rotor from club. K1RCT says its still needed as a back up rotor. KB1JL proposed a paid Zoom club account to manage club meetings, citing some shortcomings of Jitsi. This was discussed and K1RCT and KC1HDB will work together to achieve this by next business meeting,

Club meeting was adjourned at 2130 (2 hours)

Respectfully, submitted

Eric Olsson KB1JL for Anne West K1STM

FOR SALE: Heath SB-221 Hi Power 2KW 80-10 meter HF amplifier. Looks/works like new. Expertly wired. Xtra 3-500Z. \$749. Firm Bob/KR1U [oldradiodoc@gmail.com](mailto:oldradiodoc@gmail.com) 860-928-2628

Who would like a lovely, three-element, three-band HF beam -- that was only used for FOUR DAYS? Not a typo. Four days. <https://photos.app.goo.gl/64mAfSZXQewWsgKy6> Elsie & I bought this Mosley TA-33JR a number of years ago, but we couldn't find the right spot on our property for the (even small) turning radius of 14.75 feet. We set it up temporarily, twice, for two weekend contests. Then put it into storage. That's where it is has been for years. Here are the specs (column "TA-33-JR-N"): <http://www.mosley-electronics.com/junior.html> We took it out over the last few days, assembled it, and put power to it. All is fine. And we snapped the pictures yesterday and today. (Since it's a quickie installation, the yellow ropes are there for a little extra stability in case of a thunderstorm.) As you can also see in the pictures, in the spot that we'd like to put the antenna (the corner of our back deck), we can't turn it! Our deck is 12 feet wide. What we plan to do, if we can find a good home for the TA-33JR, is purchase its baby brother: the Mosley Mini-33-A tribander with a turning radius of 10.29 feet. <http://www.mosley-electronics.com/mini.html> Before we post this antenna for sale in the "Connecticut Hams" Facebook group, we thought we'd give our fellow MARC members an early heads-up. The price on Mosley's site is \$509.95. You can get it for half: \$250. Think of it as a 4th of July weekend sale. :-) For reference, the price sheet on Mosley's site: <http://www.mosley-electronics.com/pdf/pricesheet.pdf>

Let us know.73, Eric & Elsie

Either last year or the year before at Field Day, me and Elsie used our kit of military fiberglass poles for a vertically-mounted "zigzag" antenna for the GOTA station. We weren't there for breakdown on Sunday, so we're thinking they may have inadvertently gotten stuffed away somewhere. The poles are accompanied by a green rubberized bag and a yellow tripod adapter. Has anyone seen this set?  
Thanks in advance. 73, Eric & Elsie

## Coherer (From Wikipedia)

### Answer for what is this?

The operation of the coherer is based on the phenomenon of electrical contact resistance. Specifically as metal particles cohere (cling together), they conduct electricity much better after being subjected to radio frequency electricity. The radio signal from the antenna was applied directly across the coherer's electrodes. When the radio signal from a "dot" or "dash" came in, the coherer would become conductive. The coherer's electrodes were also attached to a DC circuit powered by a battery that created a "click" sound in earphones or a telegraph sounder, or a mark on a paper tape, to record the signal. Unfortunately, the reduction in the coherer's electrical resistance persisted after the radio signal was removed. This was a problem because the coherer had to be ready immediately to receive the next "dot" or "dash". Therefore, a decoherer mechanism was added to tap the coherer, mechanically disturbing the particles to reset it to the high resistance state.

Coherence of particles by radio waves is an obscure phenomenon that is not well understood even today. Recent experiments with particle coherers seem to have confirmed the hypothesis that the particles cohere by a micro-weld phenomenon caused by radio frequency electricity flowing across the small contact area between particles. The underlying principle of so-called "imperfect contact" coherers is also not well understood, but may involve a kind of tunneling of charge carriers across an imperfect junction between conductors.

De Ted KC1DOY





# Tales of the Non-Sanctioned Fox Hunts

FROM THE NON-SANCTIONED CHAIR, DAVE NZIJ



**FOX HUNT IS GETTING BIGGER AND BETTER IN CROWD SIZE....  
IF IT GETS ANY LARGER, "PETA" WILL START PICKETING...**



**FOX WAS HIDING AT KOHL'S IN WALLINGFORD  
SLEEPING GIANT MOUNTAINS ARE IN THE BACKGROUND**



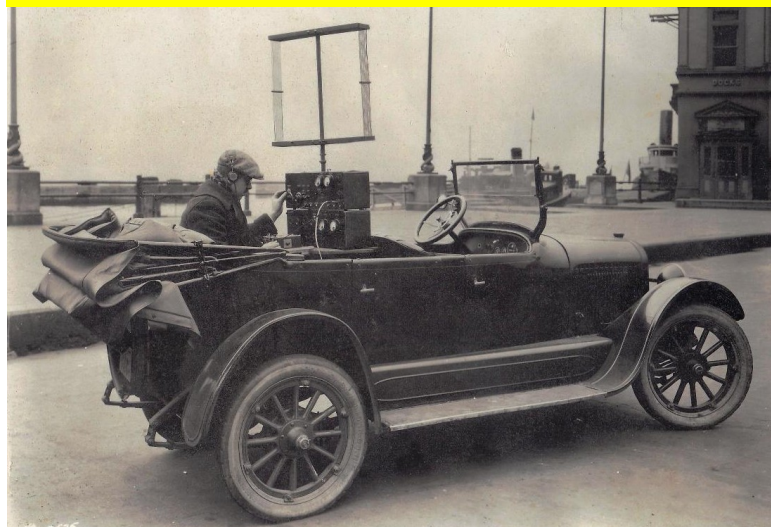
Well, the fox led a merry chase this Fourth of July weekend. He widened the search area from a 4 square mile patch to greater Meriden/Wallingford. Some of the hunters located him quickly but I had to call in as time was running out.

As you can see from the picture, we had a really good group out that day, one of the best turnouts ever. I think that this has proven to be an event that will be popular for some time.

Good luck and good hunting to all!

Ted KC1DOY

**FROM THE NOVEMBER 1940 ISSUE OF KEY KLIX,  
FOX HUNTING AT ITS BEST....**



**CAN YOU IMAGINE?**

**THAT JUST SIX MONTHS AGO, YOU WOULD END UP IN THE BACK OF A CRUISER DRESSED LIKE THIS IN PUBLIC!!! OR WITHDRAWING \$\$ FROM YOUR BANK....**

# MERIDEN AMATEUR RADIO CLUB

## OFFICERS OF MARC

PRESIDENT.....W1YSM ED SNYDER  
 VICE PRES.....KB1JL ERIC OLSSON  
 SECT.....K1STM ANNE WEST  
 TRES.....K1WJL DAVE SWEDOCK  
 STATION A.M..K1RCT ROB CICHON

MEETINGS: NORMALLY  
 7:30PM ON THE 2ND & 4TH THURSDAYS  
 OF THE MONTH,  
 UNLESS OTHERWISE POSTED,  
 THE HOPE HILL ROAD FIREHOUSE / EOC  
 143 HOPE HILL ROAD, WALLINGFORD  
**ALL MEETINGS ARE CANCELLED  
 UNTIL FURTHER NOTICE**

MAILING ADDRESS:  
 MERIDEN AMATEUR RADIO CLUB  
 POB 583, MERIDEN CT. 06450

## CLUB NETS

6 MTR NET MONDAYS 8PM  
 50.175MHZ N1ZN JIM

2 METER NET TUESDAYS 7:30PM  
 147.36 /RPT NO PL K1TDO TODD

10 METER NET TUESDAYS 8PM  
 28.375MHZ K1VDF JOHN

10/10 CASTLE CRAIG CHAPTER  
 (CONCURRENTLY WQITH CLUB NET)  
 28.375MHZ TUESDAYS 8PM N1API AL

2 METER TECH NET Weds 7:30PM  
 147.360+, no PL  
 WEEKLY NET MODERATED BY VARIOUS  
 AMATEURS WITH DIFFERENT TECHNICAL  
 TOPICS AND Q&A SESSION

2 METER COFFEE CUP NET SAT 9AM  
 147.36+ NO PL W1YSM ED  
 (THIS HAS ALSO A SIMULTANEOUS  
 SECONDARY NET OF SORTS THROUGH  
 THE VIDEO TELECONFERENCING  
 W1NRG JITSI SITE)

## MEMBERSHIP ROSTER

|        |                  |     |        |                       |    |
|--------|------------------|-----|--------|-----------------------|----|
| AB1DQ  | James Surprenant | 22  | N1GNV  | John Bartscherer      | 20 |
| AB1HB  | Charlie Dudac    | 20  | N1GY   | Geoff Haines          | 21 |
| AF1HS  | Art Fregeau      | 20  | N1HCA  | Susan South           | 20 |
| K1IIG  | Steve Tripp      | 20  | N1KGY  | Chuck Ayers           | 20 |
| K1JCF  | Joe Farrell      | 20  | N1MOB  | Dan David             | 20 |
| K1LHO  | Mike Ash         | 20  | N1NAN  | Helen Spokes          | 20 |
| K1LYP  | John Yusza       | 20  | N1OKF  | Bob Parisi            | 20 |
| K1MMK  | Mike MacKennedy  | 20  | N1OKR  | Frank Ciccone         | 20 |
| K1RCT  | Rob Cichon       | 20  | N1POP  | Greg Ploski           | 24 |
| K1SCI  | Stuart Isaac     | 20  | N1QYB  | William Wilecki Jr.   | 20 |
| K1STM  | Anne West        | 20  | N1YLN  | Edward O'Lena         | 20 |
| K1TDO  | Todd Olsen       | 20  | N1ZN   | James Savage          | 20 |
| K1TGX  | Jerry Molaver    | 22  | NZ1J   | Dave Tipping          | 22 |
| K1VDF  | John Blevins     | 20  | W1AJK  | Andrew Kazimer        | 20 |
| K1WJL  | Dave Swedock     | 20  | W1DQ   | John Elengo           | 20 |
| KB1CIW | Bob Stephens     | 20  | W1EDX  | Paul Stasieluk        | 20 |
| KB1EHE | Eric Knight      | 20  | W1KKF  | Bill Wawrzeiak        | L  |
| KB1FYL | Bob Carruthers   | 20  | W1KPS  | Kevin Shields         | 20 |
| KB1HCC | Jonathan Winslow | 20  | W1LV   | Steve Morley          | 20 |
| KB1IFZ | Elsie Mathews    | 20  | W1NHS  | Fred Ring             | 20 |
| KB1JL  | Eric Olsson      | 20  | W1NNZ  | William Kosche III    | 20 |
| KB1MFU | John Ramadei     | 21  | W1POP  | Fred Liedke           | 21 |
| KB1SIT | Teresa Stephens  | 20  | W1ST   | Stephen Stimpson      | 20 |
| KB1SSN | Alex Dills       | 20  | W1UFO  | Mike Cei              | 20 |
| KB1TJD | Gainne Jenkins   | 20  | W1XK   | Stan Kugler           | 19 |
| KB1TMC | Clare O'Lena     | 20  | W1YSM  | Ed Snyder             | 22 |
| KB1YFJ | Glen Couture     | 20  | WA1FFT | Ray Irwin             | 20 |
| KC1DOY | Ted Renzoni      | 20  | WA1JKR | John Rogus            | 21 |
| KC1GMD | Ralph Ring       | 20  | WA1SFH | Douglas Sharafanowich | 20 |
| KC1HDB | Jeff Martin      | 28  | WA1TRY | Rich Aubin            | L  |
| KC1HFO | John Stoidis     | 20  | WA1ZVY | Jim Martin            | 20 |
| KC1IIK | Scott Mowerson   | 20  | WB1GGP | Jerry Shepard         | 20 |
| KC1IIL | Matt Mowerson    | 20Y | WB1GYZ | Bob Biancur           | 20 |
| KC1ISI | Kristin Olsson   | 20  | WB8IMY | Steve Ford            | 20 |
| KC1KQH | John Kasinskas   | 20  | WV2LKM | Steve Waldmann        | 20 |
| KC1MBG | Robert Luby      | 20  | W9OTW  | Debbie Foss           | 20 |
| KE1SA  | Stephen Allen    | 21  |        | Ron Rogers            | 20 |
| KE1AU  | Robert Kaczor    | 20  |        |                       |    |
| KE1AV  | Dave Sanford     | 20  |        |                       |    |
| KE1AY  | Donald Mitchell  | 20  |        |                       |    |
| KR1U   | Bob Eslinger     | 20  |        |                       |    |
| N1AKN  | Jeff Dwyer       | 20  |        |                       |    |
| N1API  | Al Kaiser        | 20  |        |                       |    |
| N1BF   | Patrick Dionne   | 21  |        |                       |    |
| N1BRL  | Bart Toftness    | 20  |        |                       |    |

## MEMBERSHIP STATS

TOTAL MEMBERS.....82  
 REGULAR(UNDER65).....39  
 SENIOR(OVER 65).....40  
 LIFE.....2  
 STUDENT(UNDER 18).....1

WEBSITE: (USE LOWERCASE)  
[www.w1nrg.com](http://www.w1nrg.com)

FORUM / BBS:  
[www.w1nrg.com/forum/](http://www.w1nrg.com/forum/)  
 or go to website and follow links

CASTLE CRAIG 10-10 WEBSITE:  
 go to [www.w1nrg.com](http://www.w1nrg.com)  
 and follow the links

CLUB REPEATER W1KKF/R  
 147.36MHZ +600 OFFSET  
 NO PL TONE (OPEN REPEATER)

## CLUB DUES STRUCTURE (JAN-DEC)

UP TO 64 YRS OF AGE--\$20/YR  
 SENIOR DISCOUNT 65 & UP--\$15  
 ANY MEMBER WHO IS A LICENSED HAM,  
 18 & UNDER WILL BE GIVEN FREE DUES.

KEY KLIX EDITOR DAVE SWEDOCK K1WJL  
 CONTACT [DSWEDOCK@GMAIL.COM](mailto:DSWEDOCK@GMAIL.COM)  
 203 235-8582

